

2. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule further comprises a microsatellite sequence.
3. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule further comprises a region having a single nucleotide polymorphism.
4. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule comprises a nucleic acid molecule having a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.
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5. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule further comprises a promoter or partial promoter region.
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Please add the following new claims:

20. (New) The substantially purified nucleic acid molecule according to claim 4, wherein said nucleic acid molecule comprises a nucleic acid molecule consisting of a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.
21. (New) A substantially purified first nucleic acid molecule comprising a fragment nucleic acid sequence having from about 50 to about 100 nucleotide residues; wherein said fragment nucleic acid sequence exhibits complete complementarity to a second nucleic acid molecule comprising a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.
22. (New) The substantially purified first nucleic acid molecule according to claim 21, wherein said second nucleic acid molecule consists of a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.